

Forecast for Sample Race

Prepared on Jan 12 21:47z
By DC

Synopsis: A broad trough of **LOW PRESSURE** covers Extreme SW'rn Thailand and extends farther south through the Malacca Strait. The trough will move little over the next 1-2 days. To its east, we find a ridge of **HIGH** pressure, which now covers much of SE'rn Thailand, and extends e'ward into the S'rn Gulf of Thailand, and will move slowly e'ward through the 14th.

Current Conditions: Satellite derived wind data over the past 4-5 hours shows ENE winds from 10-15kts across the regatta region. However, the land observation at Langkawi as of 0400 local time this morning shows NE winds at 02 kts. Latest satellite imagery shows a small cluster of showers and squalls just to the south of the regatta region, which will weaken and move nw'ward, remaining just to the south and west of the region over the next 4-6 hours as it does so and eventually moves away from the region.

Severe Weather Potential/Advisories: The risk of severe weather across the regatta region is **LOW**. Isolated squalls within the aforementioned trough will move nw'ward into and just to the south and west of the region through the 14th, bringing only brief and localized higher winds in and near squalls.

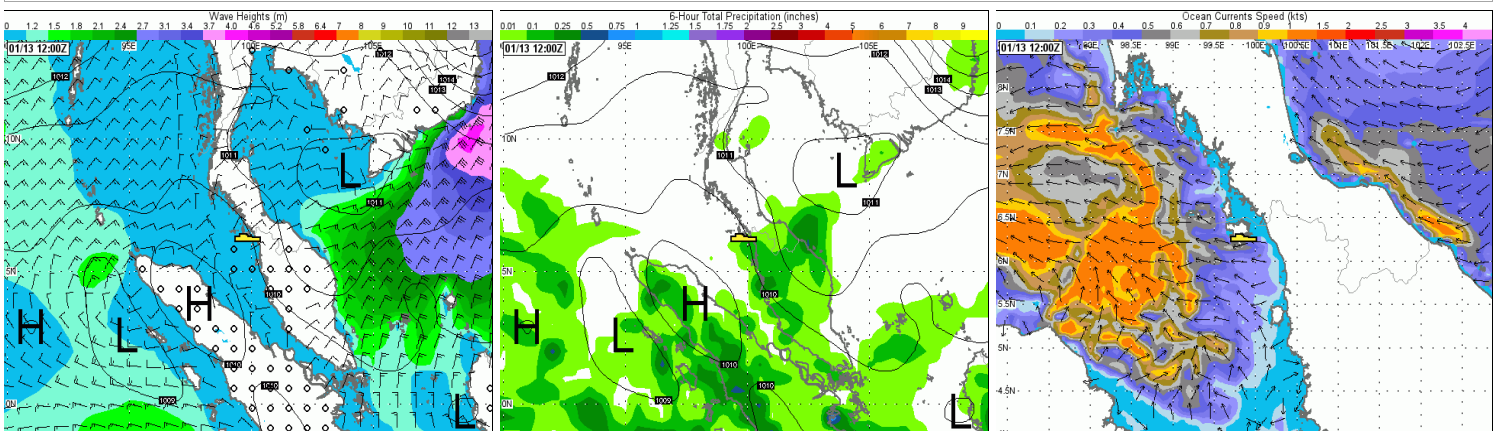
Hedge Forecast: Forecast confidence for both today (the 13th) and the 14th is average, with generally NE-E winds to be found across the region, with the highest of winds to be found in local channeling regions between islands (in ENE-E winds) and in enhanced onshore breezes along immediate coastal sections.

Conclusions: General ENE-E winds will be in place across the region during the early morning hours, becoming NE-E during the afternoon and early evening hours both days, with little overall change in wind speeds likely during that time.

Combined seas will tend short and choppy, consisting solely of wind driven seas with little to no accompany swell, and will be generally NE-E-ESE in direction both today and tomorrow, with the largest of seas to be found in more open and exposed waters east of Pulau Tuba.

Note overall wind directions and wind speeds in the below tabular forecast, though also note a variety of local effects to be found, namely the following:

1. Early morning winds (between 0700lt and 0800lt both days) will tend to consist of offshore land breezes, which will be as much as 3-5 kts below the **LOW** ends of forecast ranges/speeds during that time. Wind directions in these cases will be NNW-N within 01-02 nautical miles of Pulau Langkawi and islands just to the east, E-ESE within 01-02 nautical miles of the north sides of Pulau Tuba and the north and west sides of Pulau Dayang, and NNW-NNE winds on the south sides of Pulau Dayang and Pulau Tuba. This is due to a combined of offshore land breezes (due to land/sea thermal differences) and katabatic wind effects from interior higher terrain.
2. Late morning and afternoon (from 1100lt through 1700lt) winds will tend ENE in direction, speeds from 12-15 kts on the immediate east side of Pulau Tuba. This is due to onshore sea breeze enhancement, induced by land/sea thermal differences.
3. Local "channeling" effects will keep winds ENE-E in direction between the north side of Pulau Dayang and the south side of Pulau Langkawi, with speeds ranging from 11-15 kts throughout the day today. These will also be found in localized "puffs" of higher E'ly winds due to "wraparound effects" within 01 nautical mile of the south side of Pulau Tuba.



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Forecast for Area/Grid: Sample Race

SunRise: 06:35 SunSet: 18:22 (ST)

Forecast Period	Wind Dir	Wind Spd (Knots)	Swell Dir	Seas Hght Swell Hght (Meters)	Per (sec)	Sky Conditions / Advisory	Temp F / C	Currents Dir From/Knots
TODAY (MORN 07LT) (13/00z)	ENE-E (68 - 90)	11-15	ENE-ESE	Combined 1.0/LESS	2	MOSTLY CLOUDY	77° / 25°	ENE @ 0.3
08 LT (13/01z)	ENE (75)	13	ESE	Combined 0.6	3	MOSTLY CLOUDY	77° / 25°	ENE @ 0.3
09 LT (13/02z)	ENE (73)	13	ESE	Combined 0.6	3	MOSTLY CLOUDY	77° / 25°	ENE @ 0.3
TODAY (MORN/AFTN 10LT) (13/03z)	ENE-E (68 - 90)	09-13	ENE-ESE	Combined 1.0/LESS	2	CLEAR	81° / 27°	ENE @ 0.4
11 LT (13/04z)	ENE (62)	11	SE	Combined 0.3	3	CLEAR	81° / 27°	ENE @ 0.4
12 LT (13/05z)	ENE (66)	11	SE	Combined 0.6	3	CLEAR	81° / 27°	ENE @ 0.4
TODAY (AFTN 13LT) (13/06z)	NE-E (45 - 68)	09-13	NE-E	Combined 1.0/LESS	3	CLEAR	85° / 29°	ENE @ 0.4
14 LT (13/07z)	NE (53)	11	SE	Combined 0.6	3	CLEAR	85° / 29°	ENE @ 0.4
15 LT (13/08z)	NE (50)	11	SE	Combined 0.3	3	CLEAR	85° / 29°	ENE @ 0.4
TODAY (AFTN 16LT) (13/09z)	NE-E (45 - 68)	11-15	NE-E	Combined 1.0/LESS	2	CLEAR	86° / 30°	ENE @ 0.3
17 LT (13/10z)	NE (48)	13	ESE	Combined 0.3	4	CLEAR	86° / 30°	ENE @ 0.3
18 LT (13/11z)	NE (47)	12	NE	Combined 0.3	3	CLEAR	86° / 30°	ENE @ 0.3
TODAY (AFTN 19LT) (13/12z)	NE-E (45 - 68)	11-15	NE-E	Combined 1.0/LESS	2	CLEAR	77° / 25°	ENE @ 0.3
20 LT (13/13z)	NE (49)	13	ENE	Combined 0.6	2	CLEAR	77° / 25°	ENE @ 0.3
TOM (14) (MORN 07LT) (14/00z)	ENE-E (68 - 90)	11-15	NE-E	Combined 1.0/LESS	2	CLEAR	77° / 25°	ENE @ 0.3
TOM (14) (MORN/AFTN 10LT) (14/03z)	ENE-E (68 - 90)	09-13	NE-E	Combined 1.0/LESS	2	CLEAR	81° / 27°	ENE @ 0.4
TOM (14) (AFTN 13LT) (14/06z)	NE-E (45 - 68)	11-15	NE-E	Combined 1.0/LESS	2	CLEAR	84° / 29°	ENE @ 0.4
TOM (14) (AFTN 16LT) (14/09z)	NE-E (45 - 68)	12-16	NE-E	Combined 1.0/LESS	2	CLEAR	84° / 29°	ENE @ 0.3
TOM (14) (AFTN 19LT) (14/12z)	NE-E (45 - 68)	13-17	NE-E	Combined 1.0/LESS	2	CLEAR	76° / 24°	ENE @ 0.3